

NASA EARTH SCIENCE EDUCATION WEBSITES



Assembled for educators by Sonya Williams, Ed Specialist, (sonya.r.williams@nasa.gov) and is not a NASA approved document.

NAME	AUDIENCE	WEBADDRESS	SITE DESCRIPTION
HURRICANE EDUCATION	K-G, S, T	http://www.nasa.gov/mission_pages/hurricanes/features/hurricane_educ_links.html	Educational tools related to hurricanes
WINDOWS TO THE UNIVERSE	K-G, S, T	http://www.windows.ucar.edu	Information, images, movies, animations, games & data that brings science to life.
SPACE PLACE	K-12, S, T	http://spaceplace.jpl.nasa.gov	Fun STEM activities
SUN-EARTH CONNECTION	K-12, S, T	http://sunearth.gsfc.nasa.gov/index.htm	Activities/ information that focus attention on the active Sun and its effects on Earth.
S'COOL	K-12, S, T	http://asd-www.larc.nasa.gov/SCOOL/	Students make ground truth measurements
"QUILTS"	K-12, S, T	http://quilt.jpl.nasa.gov/	Searchable database for educators to find NASA products and activities.
EARTH OBSERVATORY	6-G, S, T	http://earthobservatory.nasa.gov	NASA satellite imagery, scientific research
EARTH SCIENCE	K-12, T	http://sealevel.jpl.nasa.gov/education/edudoc.html	A comprehensive list of resources
LANDSAT	K-12, T	http://landsat.gsfc.nasa.gov/education/activity_matrix.html	Educational activities which use Landsat data
MISSION GEOGRAPHY	K-12, T	http://missiongeography.org	Curriculum links content, skills, and perspectives of geography.
OCEAN WORLD	3-G, S, T	http://oceanworld.tamu.edu	Information related to ocean processes, access to real-time data
GLOBE PROGRAM	K-12, T	http://www.globe.gov	Students participate in taking daily environmental measurements.
U.S. SATELLITE LABORATORY	K-12, T, S	http://www.us-satellite.net/	Curriculum products: Signals of Spring (animal movement), ACES (oceans literacy), 3D-View (earth systems), Weather Data Learning Center (math), SPRINTT (ICE science), STAGE courses) & Endeavor Teacher Certification
NASA's KSNM™	K-5, S, T	http://www.knowitall.org/nasa/ksnn/index.html	Educational activities and video.
CONNECT™	6-8, S, T	http://www.knowitall.org/nasa/connect/index.html	Integrated STEM programs for students.
SCI Files™	3-5, S, T	http://scifiles.larc.nasa.gov/	Educator guides
ASTRO-VENTURE	5-8, S, T	http://astroventure.arc.nasa.gov	Astrobiology research, astronomy, geology, biology and atmospheric science.



NASA SPACE SCIENCE EDUCATION WEBSITES

NAME	AUDIENCE	WEBADDRESS	SITE DESCRIPTION
STARCHILD	K-8, S, T	http://starchild.gsfc.nasa.gov/docs/StarChild/StarChild.html	Student's introduced to the solar system, universe and space exploration. It includes activities, movies, puzzles and more.
AMAZING SPACE	6-12, S, T	http://amazing-space.stsci.edu/	Activities for the classroom
STARGAZERS		http://stargazers.gsfc.nasa.gov/	Information and activities related to the sun.
TRADITIONS OF THE SUN	K-12, S, T	http://www.traditionsofthesun.org/	Learn about Mayan astronomy, history, culture, and science.
SOLAR SYSTEMS AMBASSADORS PROGRAM	K-1G, T	http://www2.jpl.nasa.gov/ambassador/	Public outreach program designed to work with volunteers across the nation. Contact them for a visit to your school.
NASA Quest Home	K-12, T	http://quest.nasa.gov/	Connects students to science through mission-based interactions and activities.
RADIO JOVE PROJECT	8-12, S, T	http://radiojove.gsfc.nasa.gov/	Students observe & analyze natural radio emissions of Jupiter & the Sun.
IMAGINE THE UNIVERSE	K-12, S, T	http://imagine.gsfc.nasa.gov	Astronomy information and activities on topics such as black holes
NASA SPACE SCIENCE ED RESOURCE DIRECTORY	K-1G, S, T	http://teachspacescience.org	Find NASA space science products for use in classrooms, science museums, planetariums, and other settings.
COOL COSMOS	K-12, S, T	http://coolcosmos.ipac.caltech.edu/index.html	Examines and explores infrared light through activities.
CELESTIA	K-12, S, T	http://www.shatters.net/celestia/index.html : NASA exploration activity uses Celestia at: http://learn.arc.nasa.gov/planets/	Free space simulation software, which allows for easy exploration of our universe in 3D. Runs on Windows, Linux, and Mac OS X.
NIGHT SKY NETWORK	K-12, S, T	http://nightsky.jpl.nasa.gov/download-search.cfm	Astronomy education and outreach resources.

NASA MATH EDUCATION WEBSITES %

NAME	AUDIENCE	WEBADDRESS	SITE DESCRIPTION
PROJECT SkyMath: MAKING MATHEMATICAL CONNECTION	6-8, T	http://eo.ucar.edu/skymath/	Middle school mathematics
SPACE MATH @ NASA	K-12, S, T	http://spacemath.gsfc.nasa.gov/	Problems teach students about astronomy by using mathematics.
PUMAS (Practical Uses of Math& Science)	K-12,	https://pumas.jpl.nasa.gov	Collection of 1-page examples of how math & science are used everyday

NASA MULTIMEDIA RESOURCES WEBSITES



NAME	AUDIENCE	WEBADDRESS	SITE DESCRIPTION
NASA eClips	K-12, S, T	http://www.nasa.gov/audience/foreducators/nasaecclips/index.html	Educational videos to help students see real world connections.
IBEX	K-8, T	http://ibex.swri.edu/games/index.shtml	On-line activities cover states of matter, solar system, magnetic fields
EARTH SCIENCE PICTURE OF THE DAY	K-G, S, T	http://epod.usra.edu	Highlights the diverse processes & phenomena, which shape the Earth
NIGHT SKIES POSTER	K-12, S, T	http://www.nasa.gov/audience/foreducators/topnav/materials/listbytype/Night_Lights_Poster.html	Global view of Earth at night with K-12 activities included.
THE EARTH OBSERVING SYSTEM POSTERS	6-6, S, T	http://eospsso.gsfc.nasa.gov/eos_homepage/for_educators/eos_posters/index.php	AIR, WATER, LAND and ICE, each explains what NASA scientists are doing on each topic.
THE BEST OF THE HUBBLE SPACE TELESCOPE	K-G, S, T	http://www.seds.org/hst/hst.html	Provides a presentation and explanation of some of the best images taken by the Hubble.
OUR EARTH AS ART	K-G, S, T	http://earthasart.gsfc.nasa.gov/index.htm landsat.gsfc.nasa.gov/earthasart/	Beautiful images taken by the Landsat-7, Terra and ASTER satellites.
SCIENTIFIC VISUALIZATION STUDIO	K-12, S, T	http://svs.gsfc.nasa.gov/	Over 2,700 visualizations & animations are provided on an array of earth science topics
NASA IMAGES	K-12, S, T	http://www.nasaimages.org	Depository of NASA materials.

ASTROBIOLOGY EDUCATION POSTER	K-12, S, T	http://astrobiology.nasa.gov/nai/education-and-outreach/astrobiology-education-poster	Poster illustrates the three fundamental questions addressed by astrobiology: What is life? Where is it? How do you find it?
NASA BRAINBITES	K-G, S, T	http://brainbites.nasa.gov/	NASA Brain Bites videos answers questions people have about a wide range of topics.
TIMELINE OF THE UNIVERSE	5-12, S, T	http://origins.jpl.nasa.gov/library/poster/poster.html	Traces the 15-billion-year history of the universe from the Big Bang to present and the "chemistry of life" is also examined.
PLANETARY PHOTOJOURNAL	K-G, S, T	http://photojournal.jpl.nasa.gov/index.html	Photo images of the planets, comets, satellites and other space related objects.
VISIBLE EARTH	6-12, S, T	http://visibleearth.nasa.gov	Directory of NASA Earth Science images and animations.
NASA Image exchange	K-12, S, T	http://nix.nasa.gov	High-resolution images with a searchable database

DOWNLOAD MultiSpec FOR WINDOWS	9-G, S, T	http://cobweb.ecn.purdue.edu/~biehl/MultiSpec/download_win.html	Program for interactively analyzing Earth observational multispectral image.
NEO	6-12, S, T	http://neo.sci.gsfc.nasa.gov	Tool to help picture climate/ environmental changes, can export to Google Earth.
ALIEN SAFARI: PLANET QUEST	K-12, S, T	http://planetquest.jpl.nasa.gov/AlienSafari/AlienSafari.html	Interactive website to explore some of the most bizarre and extreme organisms on earth.
NASA's CORE	K-16, T	http://education.nasa.gov/core	Distributes NASA's education materials
COMPUTERS FOR LEARNING PROJECT	K-12, T	http://computersforlearning.gov/	Get used computers for K-12 schools
ASTRONOMY PIC OF THE DAY	K-G, S, T	http://apod.nasa.gov/apod/	Daily image of the universe, explanation by an astronomer
ASTRONAUT PHOTOGRAPHY OF EARTH	K-16, S, T	http://eol.jsc.nasa.gov	Images/descriptions of photo view by astronauts in space
ADVENTURE OF ECHO THE BAT & AMELIA THE PIGEON	6-8, S, T	http://science.hq.nasa.gov/kids/imagers/	Interactive multimedia adventures using remote sensing.
DLN (NASA DIGITAL LEARNING NETWORK)	K-16, T	http://dln.nasa.gov/dln/	Free interactive video-conferencing and Web casts.
SUNEARTH CONNECTION	K-12, S, T	http://sunearthday.nasa.gov/ http://sunearth.gsfc.nasa.gov/index.htm	Information regarding the connection of the sun to the Earth.
SMART SKYS	5-9, S, T	http://quest.nasa.gov/projects/smart_skies/	Distance-Rate-Time Investigations in Air Traffic Control